

## ABSTRACT

The present invention generally relates to extraction technology. More particularly, the invention relates, in one aspect, to an apparatus having disposable elements for carrying out liquid-liquid micro extraction and liquid-liquid-liquid micro extraction. In another aspect the present invention relates to methods for liquid-liquid micro extraction and liquid-liquid-liquid micro extraction, whereby a high enrichment of analyte in an acceptor solution is obtained. In yet another aspect, the invention relates to disposable devices for use in liquid-liquid micro extraction.